

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): **FAN, Zhongyun et al.** Atty. Docket: **78104041-N13554**  
Title: **METHOD AND APPARATUS FOR PRODUCING SEMISOLID METAL**  
**SLURRIES AND SHAPED COMPONENTS**  
Priority From: **PCT/GB00/03552 (and prior applications)**

**INFORMATION DISCLOSURE STATEMENT**  
**(37 CFR §1.98; MPEP 609)**

**Box: Information Disclosure Statement**  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**To the Commissioner:**

The following matter is being submitted in accordance with 37 CFR §1.56 for the above-referenced patent application:

1. **Form PTO-1449 (37 CFR §1.98(a)(1))**
2. **Patents or Publications**

The submitted information should be expressly considered during the prosecution of this application and made of record in its file, and should appear among the "References Cited" on any patent to issue from the application.

If any questions regarding the application arise, please contact the undersigned attorney. Telephone calls related to this application are welcomed and encouraged. The Commissioner is authorized to charge any fees or credit any overpayments relating to this application to deposit account number 18-2055.

I certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, in an envelope addressed to: Box: Information Disclosure Statement, Assistant Commissioner for Patents, Washington, D.C. 20231.

3-11-03

Date of Deposit

3-11-03

Date of Signature

Marina Layton

Signature

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For the Applicant,



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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>					
Sheet	1	of	2	Application Number	10/038,877
				Filing Date	August 5, 2002
				First Named Inventor	PAN, Zhongyun, et al.
				Group Art Unit	1722
				Examiner Name	
				Attorney Docket Number	78104.041

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
		4,694,882		Bunk, Robert S.	09-22-1987	
		5,735,333	A	Nagawa, Ayano	04-07-1998	

FOREIGN PATENT DOCUMENTS								
Exam. Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document (MM-DD-YYYY)	Location of Relevant Matter (if unspecified, assume entire document is relevant)	Trans.
		Office	Number	Kind Code (if known)				
	JP	01 087041	A	Idemitsu Kasei Harima Heavy Ind Co Ltd	03-31-1989			Y
	GB	2 263 429	A	British Steel PLC	07-28-1993			
	GB	2 354 472	A	Brunei University	03-28-2001			
	GB	2 354 471	A	Brunei University	03-28-2001			
	EP	0867246	A1	Mazda	09-20-1998			
	PCT	WO 95/34393	A1	Thixomat	06-19-1997			
	PCT	WO 90/09251	A1	Dow	08-23-1990			
	PCT	WO 02/13993	A1	Brunei University	02-21-2002			
	CA	2164759	A1	Inventronics	06-09-1997			
Examiner Signature					Date Considered			

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
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				Attorney Docket Number	78104.041

<b>NON-PATENT LITERATURE DOCUMENTS</b>			
Exam. Initials	Cite No.	Include: Name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Trans.
		FLEMING, Merton C., Behavior of Metal Alloys in the Semisolid State, The 1990 Edward Campbell Memorial Lecture, ASM International, 2207 <i>Metallurgical Transactions B</i> , 22B(1991) June, No. 3, Warrandale, PA, US	
		TISSER A. et al., "Magnesium Rheocasting: A Study of Processing-Microstructure Interactions," <i>Journal of Materials Science</i> , Chapman and Hall Ltd., London, GB, Vol. 25, No. 2B, 1 February 1990, pgs. 1184-1196	

Examiner Signature	Date Considered
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